

## CLAIMS

1. An improved structure for a nominally floorless hikers' shelter having a raised, tensioned waterproof canopy supported off the ground at a front end and at a rear end, comprising:  
  
a shelter canopy having a catenary ridgeline tensioned between a higher, vertical front support and a lower, outwardly-cantilevered rear arch support.
2. The shelter structure of claim 1, wherein the vertical front support comprises a vertical straight pole supporting a central peak point of the canopy in an A-frame configuration.
3. The shelter structure of claim 1, wherein the vertical front support comprises a vertical arch pole supporting a front edge of the canopy in an arch configuration.
4. The shelter structure of claim 1, wherein the side edges of the shelter canopy are straight.
5. The shelter structure of claim 1, wherein the shelter canopy has an insect netting perimeter hanging from front, rear, and side edges of the canopy and defining a floorless area under the canopy.
6. The shelter structure of claim 5, wherein a reinforced floor attachment structure is secured to the rear arch support, and a rear portion of the insect netting is secured to the reinforced floor attachment structure.

7. The shelter structure of claim 6, wherein an elastic floor attachment structure is secured to a front portion of the canopy to be coupled to a forward portion of an optional floor.
8. The shelter structure of claim 7, wherein a reinforced floor attachment structure is secured to the front support, and a forward portion of the insect netting is secured to the reinforced floor attachment.
9. The shelter structure of claim 1, wherein the rear arch support includes a rear awning, the rear arch support being cantilevered outwardly and downwardly from the shelter canopy at an acute angle to vertical, and the awning being angled downwardly from the rear arch support at an acute angle to the rear arch support.
10. The shelter structure of claim 1, wherein the vertical front support is tensioned by a single guyline, and the rear arch support is tensioned by three guylines spaced along the rear arch support and converging to a single stake point.
11. The shelter structure of claim 10, wherein the rear arch support guylines comprise two outer lines and one central line, the outer lines formed by the ends of a single outer line secured to opposing sides of the arch support and bisected by the central line.
12. The shelter structure of claim 11, wherein the central line is slidably connected to the single outer line.

13. The shelter structure of claim 11, wherein the central line has a length greater than a maximum extended distance of the single outer line from the rear arch support, such that an intermediate portion of the central line can be staked rearwardly of the single outer line.

14. The shelter structure of claim 1, wherein the canopy includes a front awning extending from the front end of the canopy beyond the vertical front support, the front awning angled downwardly at an acute angle to the vertical front support.